



Thermal Printing 2016 Conference

May 9-11, 2016

**the Saguaro Scottsdale
Scottsdale (Phoenix), Arizona**

Thermal Printing Opportunities & Challenges in

- Mobile, Cloud & Handheld World • eTransactions • Supply Chain • POS***
- Color Labels • Photos & ID's • Security & Brand Protection • Lottery & Gaming***
- Ticketing: Entertainment, Event & Transportation and Much More!***

In the midst of more market and technology volatility than ever, the over \$30 billion thermal printing industry (end-user revenues) is larger and more diversified than ever! Current trends such as the hand held computing revolution, virtual receipts/documents, social media, smart phones, cloud computing, IoT, RFID & NFC, competitive technology advancements & others all combine to present both challenges and opportunities for the thermal printing industry.

Thermal printing's contributions to workflow automation and improvements to business efficiencies at all levels have resulted in specialized, thermal media and printing devices to fulfill application specific requirements for which it is often uniquely suited. The thermal printing industry is projected to grow to over \$40 billion (end-user revenues) by 2021.

Join us at IMI's **Thermal Printing 2016 Conference** – to learn about and discuss key strategic factors such as:

Comprehensive Coverage of Thermal Printing Industry's Status & Trends.

Key Worldwide Thermal Market Sectors Review

Industry Structural Changes: Mergers & Divestitures

Market Drivers & Barriers

Technology Trends Impacting Thermal Printing Usage & Adoption

New Business Models for Thermal Printing Industry

& Much More!

IMI's **Thermal Printing 2016 Conference** program combines a diverse group of speakers addressing new, innovative information and communication products as well as technology developments plus consumer, business and industrial end-user trends. The format is designed to connect industry participants with systems and end-user product innovators and prepare thermal printing industry participants for future challenges and opportunities. It is also an ideal training format for new personnel.

To be successful, the Thermal Printing Industry must exploit world markets and capitalize on the many new and exciting information, communications and media related innovations taking place in our society and economy! Only by embracing change and developing new products & business models will the Thermal Printing Industry progress and mold the future usage of the unique and resilient technology known as thermal printing.

Make plans now to join the thermal printing industry's "Movers and Shakers" on May 9-11, 2016! Don't Miss It!

Conference Displays & Suppliers' Forum

IMI's **Thermal Printing 2016 Conference** provides the opportunity to have a **complimentary display space** to exhibit your products, technology or services and to give a commercial **5-minute Suppliers' Forum presentation**.

IMI will cooperate with all interested parties to provide appropriate space so products can be displayed and demonstrated during the conference breaks and receptions.

To reserve your complimentary display space and Suppliers' Forum presentation slot, please register online and check off the box indicating your participation OR complete the registration form on page 3 and fax to +1-207-235-2226 OR send an email to al@imiconf.com

**Conference Chairman
Endre Vargha
GMR Consulting**

**Visit www.imiconf.com
for updated program
and registration details**

Thermal Printing 2016 Conference

May 9-11, 2016

the Saguaro Scottsdale
Scottsdale (Phoenix), Arizona

Monday, May 9, 2016

11:00 a.m. Conference Registration
1:30 p.m. Opening Session

Welcome & Introductions

Alvin G. Keene, President, Information Management Institute, Inc., Carrabassett Valley, Maine

State of the Industry Assessment

Conference Chairman: Endre Vargha, President, GMR Consulting, San Luis Obispo, California (former Vice President of R&D, Datamsax-O'Neil)

- Conference Introduction – Goals, Objectives and Caveats
- Thermal Printing Industry at a Glance
 - Technologies
 - Applications
- 2015 Market Update
 - Printers
 - Suppliers
 - Vertical Markets
 - Geographic Distribution
 - Distribution Channels
 - Key Players
 - Market Trends & Developments
- Competitive Trends
 - Disruptive Technologies
 - Evolving Customer Requirements
 - Market Drivers, Barriers & Challenges
- Future Outlook

Kyocera Thin Film Thermal Printhead Advancements & Developments

Jennifer Fox, Kyocera Industrial Ceramics Corporation,

Suppliers' Forum: 5-Minute Presentations Related To Technology, Capabilities, Services, New Product Introductions, etc. In combination with having a display, this provides an opportunity to present your technology, products or services to all conference participants. Contact Al Keene at IMI al@imiconf.com for information on having a display and signing up for the Suppliers' Forum.

5:00 p.m. Reception in Display Area

Tuesday, May 10, 2016

9:00 a.m. Session 2

Development of GHS & BS5609 Compliant Labels for Chemicals

Dr. Yijun Ye, Sr. R&D Leader, Avery Dennison, Mentor, Ohio

- Labeling Requirements for Water Shipment of Dangerous/Hazardous Goods & Materials
 - OSHA Adopted GHS
 - International Maritime Dangerous Goods Code (IMDG)
 - British Standard (BS 5609): Defacto Standard: Requires Identification after 3 months immersion in sea
- Compliance Granted for Specific Printer/Substrate/Ink Combinations
- Thermal Transfer Used for over 50% of Drum Labels: Manufacturers have developed New Ribbons, New Labels & New Printers to Meet Requirements
- Competition from Laser, Flexo, Inkjet & UV Inkjet
- Label Product Development for Use under Marine Conditions
 - Testing for Ink Adhesion, Abrasion Resistance & Permanence after Artificial Weathering per BS5609
 - Typical Failure Modes
 - Successful Examples
- How Different Substrates, Printers, Ribbons & Printing Conditions Affect Results

Platinum Thermal™ - A "Breakthrough" Face Stock for Thermal Printing

Terry Jensen, Global Business Development Manager, Jindal Films America, Fairport, New York

- Eliminates the Need for Coatings or Thermal Transfer Ribbons
- Prints on Standard Barcode Printers & Standard or High Resolution Thermal Printers
- Significant Cost Savings
- Enhances Print Quality – Reduces Waste & Costs
- Exceptional Performance: Heat Stability, Weather Resistance, Water and Chemical Resistance, etc.
- Applications & Markets

On-Press Printing of Direct Thermal Chemistry

Francis Shea, Jr., Manager Digital Coatings, NuCoat, Plymouth, Minnesota

- Creating Unique Substrates
- Disintermediation of Traditional Supply Chain
- Combining Imaging Technologies Example: Memjet Inkjet with Direct Thermal Technology for Variable Color & One-to-One Marketing

12:00 Noon Luncheon



1:30 p.m. Session 3

3D Printing: Opportunity or Threat for Thermal Printing

Bruce Glen, VP New Technologies, ScanSource

- History of 3D Printing
- 3D Printing Technologies, Materials & How 3D Printers Work
- 3D Printing Applications Today & in the Future
- 3D Printer Manufacturers Overview
- Industry Growth Trends
- Hands On with a 3D Printer
- Have a Look at some 3D Printed Parts
- How Barcode Sellers Can Enter 3D Printing Industry

Whatever Happened to RFID?

Endre Vargha, President, GMR Management Consulting, San Luis Obispo, California

- Brief History of RFID Technology
- RFID Technology Overview
- Smart Labels
- Benefits of RFID vs Barcodes
- How Can IoT (Internet of Things) Change AIDC?
- Emerging AIDC Technologies

5:00 p.m Reception in Display Area



Conference Chairman
Endre Vargha
GMR Consulting

Wednesday, May 11, 2016

8:30 a.m. Session 4

Additional Speakers TBA

Open Forum: How Many Really Understand Thermal Printing? Not Many! What Can the Thermal Printing Industry Do About This?

Moderator: Endre Vargha, President, GMR Management Consulting, San Luis Obispo, California

Open Forum

How Many Really Understand Thermal Printing? Not Many!

We have all had this experience. Bring up thermal printing and the reactions vary from: What's that? Does it still exist? Why would anyone use it? You mean thermal inkjet? And so on.

The fact is, most people have no idea that thermal printing touches their lives in so many ways every day. The unique characteristics and benefits of this technology have resulted in an industry with \$30 billion plus in global annual revenues.

Even more surprising is that so many in the supply chain who sell the technology and end users who depend on it don't fully understand its capabilities. This often leads to "losing out" to other, less suitable printing technologies for certain applications or not capitalizing on all the potential benefits.

Open Forum Goals

- Generate Ideas on How Thermal Printing Industry can "Educate The World" about Thermal Printing and its Benefits
- Develop an Action Plan

12:00 Noon

Adjournment



WORLDWIDE DIGITAL PRINTING MARKET REPORT for all Conference Registrants

This exclusive market report, commissioned by IMI, updated on an ongoing basis, provides a source of market information based on a consistent methodology and reporting structure. The report authors, I T Strategies, generate this report from their worldwide digital printing industry model.



To Register Online
www.imiconf.com



Registration Information - Thermal Printing 2016 Conference



Registration Fees: \$1095 per registrant
\$995 for each additional registrant from same company when registered as a group

The registration fee includes attendance at all sessions, all scheduled program functions and the program reference material. Cancellations will receive a 100% refund if made 96 hours prior to the start of the program. Substitutions may be made at any time. Cancellations made less than 96 hours prior to the start of the program will receive no refund, but will receive the conference materials.

To register, submit the registration form with payment to Susan Vandrey, Conference Administrator, Information Management Institute, Inc., 1106 Valley Crossing, Carrabassett Valley, ME 04947 USA. You may reserve space by calling +1-207-235-2225, sending a fax to +1-207-235-2226 or by sending an email message to imi@imiconf.com or visiting our web site www.imiconf.com

REGISTRATION FORM

☐

Thermal Printing 2016 Conference
May 9-11, 2016

I wish to reserve a ☐ Display Space ☐ Suppliers' Forum Slot

NAME _____

JOB TITLE _____

COMPANY _____

ADDRESS _____

CITY _____ STATE _____ ZIP _____

COUNTRY _____

PHONE _____ FAX: _____

EMAIL _____

☐

I Want to Pay by Credit Card

☐

Please Invoice Me

the Saguaro Scottsdale Information

IMI's **Thermal Printing 2016 Conference** is being held at the Saguaro Scottsdale (pronounced suh-warh-oh) in Scottsdale, Arizona. Hotel reservations are the responsibility of each meeting registrant. **Early booking is advised** as the reduced rate is on a space available basis. Phone +1-877-808-2440 or +1-480-308-1100s and reference "**Group Code 1605INFORM**" to receive the group rate of \$145 for single or double occupancy (including resort fee).

To make reservations online, go to
<http://tinyurl.com/IMI-AZ2016>

The Saguaro Scottsdale is conveniently located in the heart of Old Town Scottsdale and is 10 miles from Phoenix Sky Harbor Airport. The Saguaro was fully renovated in 2011. Named after the saguaro catcus, the hotel decor was recreated around a palette of 12 vibrant colors found in native desert wildflowers. .

For additional information on the hotel, visit
www.saguaroscottsdale.com and for Scottsdale
www.experiencescottsdale.com and for Arizona
www.arizonaguide.com

The Saguaro Scottsdale address is
4000 North Drinkwater Boulevard
Scottsdale, AZ 85251 USA
Phone: +1-480-308-1100
Fax: +1-480-385-4810
Web Site: www.saguaroscottsdale.com

Don't Miss IMI's & IMI Europe's Upcoming Programs

IMI Europe Inkjet Summer School

June 20-24,, 2016

Ink Jet Academy

Fluid Dynamics & Acoustics for Inkjet Printing

June 20-21,, 2016

Digital Textile Printing

Inkjet Ink Characterisation

June 22-23,, 2016

Inkjet Ink Manufacturing

Jetting Functional Fluids

June 23-24,, 2016

Print Media Academy

Heidelberg, Germany

IMI Europe Digital Print Europe

November 28-December 1, 2016

Ink Jet Academy

Additional Course TBA

November 28-29,, 2016

IMI Europe Inkjet Printing Conference

November 29-December 1, 2016

Novotel Amsterdam City

Amsterdam, The Netherlands

Digital Printing Presses 2016 Conference

May 2-3, 2016

Security Printing 2016 Conference

Ink Jet Academy

May 4-5, 2016

The Florida Hotel & Conference Center
Orlando, Florida, USA

Thermal Printing 2016 Conference

May 9-11, 2016

3D Printing, Additive Manufacturing & Digital Fabrication Course

May 10-11, 2016

Digital Manufacturing 2016 Conference Opportunities for Manufacturing Rebirth

May 11-13, 2016

Saguaro Scottsdale Hotel
Scottsdale (Phoenix), Arizona, USA

Ink Jet Technology Showcase 2016

September 7-8, 2016

Renaissance Schaumburg Convention Center Hotel
Schaumburg (Chicago), Illinois

Ink Jet Printing World 2017

Ink Jet Printing 2017 Conference

Ink Jet Academy

1st Quarter 2017

USA Location TBA